From wang!elf.wang.com!ucsd.edu!info-hams-relay Mon Mar 11 17:30:06 1991 remote
from tosspot
Received: by tosspot (1.63/waf)
     via UUCP; Mon, 11 Mar 91 20:43:26 EST
     for lee
Received: from somewhere by elf.wang.com
     id aa12211; Mon, 11 Mar 91 17:30:05 GMT
Received: from ucsd.edu by uunet.uu.net with SMTP
     (5.61/UUNET-primary-gateway) id AA17977; Mon, 11 Mar 91 09:36:35 -0500
Received: by ucsd.edu; id AA23082
     sendmail 5.64/UCSD-2.1-sun
     Mon, 11 Mar 91 04:30:19 -0800 for nixbur!schroeder.pad
Received: by ucsd.edu; id AA23062
     sendmail 5.64/UCSD-2.1-sun
     Mon, 11 Mar 91 04:30:15 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spool/
lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9103111230.AA23062@ucsd.edu>
Date: Mon, 11 Mar 91 04:30:13 PST
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>
Reply-To: Info-Hams@ucsd.edu
Subject: Info-Hams Digest V91 #205
To: Info-Hams@ucsd.edu

Info-Hams Digest Mon, 11 Mar 91 Volume 91 : Issue 205

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 10 Mar 91 08:20:07 EST
From: Robert Carpenter <rc@cmr.ncsl.nist.gov>
Subject: 1991 Central States VHF Conference
To: info-hams@ucsd.edu

First Notice

CENTRAL STATES VHF SOCIETY
25th ANNUAL CONFERENCE
July 25-28, 1991
Sheraton Inn
Cedar Rapids, Iowa

This premier event for VHF/UHF/SHF DXers will be held at the site of the 1984 Conference. Attendance, from all US call areas, Canada, Mexico, etc., runs around 200, plus about 100 family members. Prospective authors / presenters of technical talks are encourage to contact Barry Buelow, WA0RJT, as soon as possible (319-393-2989). The program of talks is filling fast. The Proceedings are published by the ARRL, and include additional material not in the talks. Deadline for submission of written material is May 15th.

Thursday:	Ham tours, surplus stores, etc.
Friday am:	Antenna Gain Measurements
Friday afternoon:	Technical Talks
Friday evening:	Noise Figure Contest
Friday evening:	Flea Market
Saturday am & pm:	Technical Talks
Saturday evening:	Banquet (always more prizes than people)
Sunday am:	Gabbing and departure

There is always an active family program, since many families come and the hotel rates are very reasonable. There is always a teen room - a crash course for the NO CODE license is proposed in this year's announcement. Baby sitting will be available.

For more info on the Conference or CSVHFS contact K0DAS, the president, K5NZS, the secretary, or WB5LBT, the treasurer.

Date: 9 Mar 91 19:24:25 GMT
From: agate!usenet.ins.cwru.edu!ncoast!allbery@ucbvax.Berkeley.EDU (Brandon S. Allbery KB8JRR)
Subject: Doldrums
To: info-hams@ucsd.edu

As quoted from <4794@lib.tmc.edu> by jmaynard@thesis1.hsch.utexas.edu (Jay Maynard):
+---------------
| In article <332@bongo.UUCP> julian@bongo.info.com (Julian Macassey) writes:
| > I wonder if anyone has noticed the dearth of articles since we went

| >to the wonderful rec.radio.splut distribution. Used to be I whiled
|
| What dearth? The total of all of the groups seems to be about the same as
| before, with possibly a slight falling off due to those of us who had
+---------------

The reason for the lack of articles at some sites is that the newgroups didn't
make it everywhere. We *finally* got the rec.radio.amateur newgroup on
Tuesday here on ncoast; the other groups are missing still. (Help!)
(Creating them locally won't help, our newsfeed doesn't know about them
either; and so on....)

I suggest someone send out the newgroups again.

++Brandon
--
Me: Brandon S. Allbery   Ham: KB8JRR on 40m, 10m when time
Internet: allbery@NCoast.ORG   permits; also 2m, 220, 440, 1200
America OnLine: KB8JRR // Delphi: ALLBERY   AMPR: kb8jrr.AmPR.ORG [44.70.4.88]
uunet!usenet.ins.cwru.edu!ncoast!allbery   KB8JRR @ WA8BXN.OH

Date: Sat, 9 Mar 91 14:29:17 -0500
From: TS Kelso <tkelso@blackbird.afit.af.mil>
Subject: NASA Prediction Bulletins
To: info-hams@wsmr-simtel20.army.mil

The most current orbital elements from the NASA Prediction Bulletins are
carried on the Celestial BBS, (513) 427-0674, and are updated several times
weekly. Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current of
these elements are uploaded weekly to sci.space. This week's elements are
provided below. The Celestial BBS may be accessed 24 hours/day at 300,
1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #819 -
Alouette 1
1 00424U 62B-A 1 91 66.23840038 .00000427 00000-0 49985-3 0 3906
2 00424 80.4668 26.7162 0022623 319.8178 40.1269 13.67474612418646
ATS 3
1 03029U 67111 A 91 65.88961120 -.00000075 00000-0 99999-4 0 5062
2 03029 13.5297 18.9686 0010431 227.3767 132.5421 1.00272747 85421
Cosmos 398
1 04966U 71 16 A 91 66.01050688 .00069593 18870-4 36818-3 0 4242
2 04966 51.5287 277.6341 2090615 299.1880 41.5728 11.45027292621273
Starlette
1 07646U 75010 A 91 55.84418340 -.00000008 00000-0 40866-4 0 1986

```
2 07646  49.8251 241.5438 0205835 305.3797  52.7879 13.82150470810725
LAGEOS
1 08820U 76039  A 91 64.92937162  .00000005  00000-0  99999-4 0  1998
2 08820 109.8423  84.7962 0044404 182.9089 177.1471  6.38664226 90657
GOES 2
1 10061U 77048  A 91 62.88567133 -.00000259  00000-0  99999-4 0  5636
2 10061   8.6755  60.5522 0002823 310.0095  50.0731  1.00270254 51614
IUE
1 10637U 78012  A 91 67.00157360 -.00000182  00000-0  79862-4 0  2081
2 10637  32.7182 114.6281 1409458   0.5351 359.7257  1.00296531  9116
GPS-0001
1 10684U 78020  A 91 66.20483334  .00000004  00000-0  99999-4 0  6018
2 10684  63.8648  81.4202 0125633 199.2503 160.3071  2.00554344 81129
GPS-0002
1 10893U 78 47  A 91 66.20296233 -.00000022  00000-0  99999-4 0  3196
2 10893  64.2732 322.2579 0171813  23.8770 336.9630  2.00535454 93948
GOES 3
1 10953U 78062  A 91 66.21141876  .00000093  00000-0  99999-4 0   467
2 10953   7.5745  63.2024 0005335 130.3930 229.7653  1.00272561  7555
SeaSat 1
1 10967U 78064  A 91 66.23197127  .00001929  00000-0  70164-3 0  4775
2 10967 108.0318 143.3435 0004631 246.2266 113.8393 14.36276909664215
GPS-0003
1 11054U 78093  A 91 62.96045011 -.00000021  00000-0  99999-4 0  3540
2 11054  63.7769 318.5296 0063156 116.7219 243.9865  2.00571710 90899
Nimbus 7
1 11080U 78098  A 91 66.27086948  .00000296  00000-0  29783-3 0  7355
2 11080  99.1760 329.9837 0009508  97.7577 262.4656 13.83512960624415
GPS-0004
1 11141U 78112  A 91 64.57879279  .00000004  00000-0  99999-4 0  1367
2 11141  63.6379  81.0348 0077894 313.3827  46.1888  2.00542918 89621
GPS-0005
1 11690U 80 11  A 91 64.21808439  .00000006  00000-0  99999-4 0   987
2 11690  64.3181  83.6112 0121864 203.1645 156.3248  2.00552846 95472
GPS-0006
1 11783U 80 32  A 91 66.01158240 -.00000021  00000-0  99999-4 0  3678
2 11783  63.5769 317.9289 0159260  58.8012 302.7607  2.00568513 79599
GOES 5
1 12472U 81049  A 91 67.12409122  .00000127  00000-0  99999-4 0   532
2 12472   4.1293  72.4965 0002691 275.8100  84.3732  1.00239706 34878
SME
1 12887U 81100  A 91 64.50110935  .08408782  12893-4  46933-3 0  1680
2 12887  97.5533 139.2111 0008178 266.6574  93.6075 16.41737930  2102
Cosmos 1383
1 13301U 82 66  A 91 64.16867636  .00000181  00000-0  20023-3 0  6877
2 13301  82.9319 109.5230 0026911 158.7408 201.4867 13.67886322433356
LandSat 4
1 13367U 82 72  A 91 65.16636556  .00000429  00000-0  99999-4 0  6911
```

2 13367 98.1256 127.0338 0004260 61.2729 298.8933 14.57169651459450
IRAS
1 13777U 83 4 A 91 66.56997273 .00000525 00000-0 38767-3 0 9064
2 13777 99.0178 264.1438 0013639 21.9967 338.1756 13.98903323 83763
Cosmos 1447
1 13916U 83 21 A 91 63.80866909 .00000310 00000-0 31599-3 0 7845
2 13916 82.9376 179.3559 0038025 131.5822 228.8616 13.74111593398464
TDRS 1
1 13969U 83 26 B 91 66.19407381 .00000129 00000-0 99999-4 0 2761
2 13969   5.1074 63.5138 0002929 296.9799 63.1455 1.00279927 1985
GOES 6
1 14050U 83 41 A 91 65.13248488 .00000117 00000-0 99999-4 0 3751
2 14050   2.8874 75.0000 0007198 309.9901 50.3108 1.00271574   766
OSCAR 10
1 14129U 83 58 B 91 63.34532753 -.00000104 00000-0 99999-4 0 6398
2 14129 25.8586 157.5216 5994082 222.1074 71.7788 2.05883481 30094
GPS-0008
1 14189U 83 72 A 91 62.95134431 .00000003 00000-0 99999-4 0 9016
2 14189 63.4991 79.7267 0144238 224.5375 134.3350 2.00568720 55970
LandSat 5
1 14780U 84 21 A 91 66.43611221 .00000428 00000-0 99999-4 0 5424
2 14780 98.2489 128.0081 0001062 33.1397 326.9867 14.57090894373053
UoSat 2
1 14781U 84 21 B 91 66.57946127 .00004043 00000-0 73905-3 0 9335
2 14781 97.9100 115.1085 0012931 128.2226 232.0137 14.66370080374556
GPS-0009
1 15039U 84 59 A 91 62.62556131 .00000003 00000-0 99999-4 0 1681
2 15039 63.2486 78.8536 0028251 227.2721 132.5035 2.00565679 49245
Cosmos 1574
1 15055U 84 62 A 91 63.94896060 .00000210 00000-0 21292-3 0   327
2 15055 82.9520 230.0592 0027807 321.0423 38.8739 13.73417980335860
GPS-0010
1 15271U 84 97 A 91 65.06339824 -.00000021 00000-0 99999-4 0   107
2 15271 63.0766 317.3810 0112214 331.5248 27.9338 2.00563756 46406
Cosmos 1602
1 15331U 84105 A 91 66.56612319 .00006488 00000-0 85763-3 0 4944
2 15331 82.5376 116.5874 0023208 185.3833 174.7106 14.79663544347014
NOAA 9
1 15427U 84123 A 91 64.18495536 .00001304 00000-0 72149-3 0 7091
2 15427 99.1729 75.1976 0015239   0.5797 359.5376 14.12858931320837
GPS-0011
1 16129U 85 93 A 91 63.28674890 .00000004 00000-0 99999-4 0 7314
2 16129 64.0168 80.0329 0122728 148.0460 212.7468 2.00564483 39579
Mir
1 16609U 86 17 A 91 66.83991262 .00046826 00000-0 52346-3 0 3023
2 16609 51.6076 81.1752 0016936 33.4172 326.7419 15.62090553289296
SPOT 1
1 16613U 86 19 A 91 66.66596876 -.00001709 00000-0 -79349-3 0 2544

2 16613 98.7033 142.3242 0002017 132.8463 227.2614 14.20092679101325
Cosmos 1766
1 16881U 86 55 A 91 67.26199248 .00000753 00000-0 99999-4 0 3440
2 16881 82.5233 174.6618 0022744 200.1389 159.9207 14.79041821248165
EGP
1 16908U 86 61 A 91 65.30868719 -.00000025 00000-0 99999-4 0 3416
2 16908 50.0096 170.1671 0011509 142.4602 217.7038 12.44392919207498
NOAA 10
1 16969U 86 73 A 91 66.52851991 .00001364 00000-0 61086-3 0 5542
2 16969 98.5752 93.2834 0012610 221.3216 138.7009 14.23953966232086
MOS-1
1 17527U 87 18 A 91 67.18054165 .00000105 00000-0 10317-3 0 7606
2 17527 99.0780 140.9656 0000725 125.9149 234.1783 13.94896548206062
GOES 7
1 17561U 87 22 A 91 63.84868606 -.00000045 00000-0 99999-4 0 7339
2 17561   0.0479 267.7374 0002270 83.3451   8.8864 1.00271283 8188
Kvant-1
1 17845U 87 30 A 91 66.83992094 .00046864 00000-0 52346-3 0 4940
2 17845 51.6159 81.1834 0017490 33.2132 327.0001 15.62099696289290
DMSP B5D2-3
1 18123U 87 53 A 91 66.38940217 .00001303 00000-0 69984-3 0 8685
2 18123 98.8128 258.4645 0014617 358.2703   1.8417 14.14390779191607
RS-10/11
1 18129U 87 54 A 91 66.99504260 .00000143 00000-0 14517-3 0 5469
2 18129 82.9275 133.6389 0013436 106.0941 254.1652 13.72155056185719
Meteor 2-16
1 18312U 87 68 A 91 60.03160803 .00000223 00000-0 19236-3 0 6102
2 18312 82.5566 86.7348 0010878 255.9782 104.0203 13.83740103178508
Meteor 2-17
1 18820U 88 5 A 91 59.98965918 .00000662 00000-0 58067-3 0 4582
2 18820 82.5478 146.3224 0016063 328.5459 31.4741 13.84440764155719
DMSP B5D2-4
1 18822U 88 6 A 91 66.43276393 .00001459 00000-0 67985-3 0 8055
2 18822 98.6128 304.5445 0005682 224.7624 135.3096 14.21816561160223
Glonass 34
1 19163U 88 43 A 91 65.46216076 .00000020 00000-0 99999-4 0 1854
2 19163 64.9225 150.3926 0006964 195.2966 164.7118 2.13102202 21733
Glonass 36
1 19165U 88 43 C 91 65.98833811 .00000020 00000-0 99999-4 0 1800
2 19165 64.9023 150.3707 0004298 329.5110 30.5154 2.13102716 21740
AO-13
1 19216U 88 51 B 91 53.11378759 -.00000126 00000-0 99999-4 0 2396
2 19216 56.8252 109.0878 7128019 247.8593 26.4295 2.09703733 20642
OKEAN 1
1 19274U 88 56 A 91 66.96840455 .00003660 00000-0 49893-3 0   625
2 19274 82.5146 273.6779 0021802 346.5596 13.5032 14.78300524143874
Meteor 3-2
1 19336U 88 64 A 91 60.06448328 .00000052 00000-0 11717-3 0 7095

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2 19336  82.5440  95.7138 0018732  33.0749 327.1551 13.16913552124767
Glonass 39
1 19503U 88 85  C 91 66.47729886 -.00000017  00000-0  99999-4 0  1080
2 19503  65.4431  29.7120 0004947 205.9475 154.0237  2.13103162 19247
NOAA 11
1 19531U 88 89  A 91 66.52896461  .00001450  00000-0  81299-3 0  4666
2 19531  99.0164  20.6367 0009698 256.0792 103.9308 14.11967398126122
TDRS 2
1 19548U 88 91  B 91 58.04983405  .00000113  00000-0  99999-4 0  2334
2 19548   0.7490  80.7494 0001523 230.1933  49.0067  1.00274517  7474
Glonass 40
1 19749U 89  1  A 91 66.51863206  .00000020  00000-0  99999-4 0  8889
2 19749  64.8606 150.0159 0006349 273.4633  86.5105  2.13101813 16779
Glonass 41
1 19750U 89  1  B 91 66.10750013  .00000020  00000-0  99999-4 0  9439
2 19750  64.8754 150.0520 0006452 253.3316 106.6384  2.13102169 16764
GPS BII-01
1 19802U 89 13  A 91 58.17527061  .00000017  00000-0  99999-4 0  2319
2 19802  55.0455 187.3559 0050904 163.2354 196.8890  2.00558153 14865
Akebono
1 19822U 89 16  A 91 65.56375910  .00033238  00000-0  19511-2 0  9542
2 19822  75.0761 108.9348 4111027  52.3990 338.3837  7.24127157 18647
Meteor 2-18
1 19851U 89 18  A 91 66.31817607  .00000114  00000-0  97659-4 0  4110
2 19851  82.5371  18.8429 0013216   0.6934 359.4275 13.84067106101967
MOP-1
1 19876U 89 20  B 91 56.56889792  .00000024  00000-0  99999-4 0  1813
2 19876   0.2783  49.6603 0001388 297.3075  12.9938  1.00267628  3203
TDRS 3
1 19883U 89 21  B 91 51.69564572 -.00000235  00000-0  99999-4 0  2307
2 19883   0.7266  79.1373 0001446 255.1676  25.6685  1.00271504 77386
GPS BII-02
1 20061U 89 44  A 91 58.00437706 -.00000034  00000-0  99999-4 0  2332
2 20061  54.8640   5.4895 0089842 183.4176 176.5173  2.00566400 12602
Nadezhda 1
1 20103U 89 50  A 91 63.57984357  .00000277  00000-0  28416-3 0  3067
2 20103  82.9575  93.0703 0038850  35.4241 324.9480 13.73653912 83460
GPS BII-03
1 20185U 89 64  A 91 57.34599602  .00000016  00000-0  99999-4 0  1766
2 20185  54.8906 188.1900 0021289 164.8064 195.2144  2.00568043 11161
GPS BII-04
1 20302U 89 85  A 91 41.91577973 -.00000024  00000-0  99999-4 0  1785
2 20302  54.4598 307.3315 0032510 329.9999  29.8633  2.00556091  9656
Meteor 3-3
1 20305U 89 86  A 91 65.91761804  .00000043  00000-0  99999-4 0  3224
2 20305  82.5484  32.6874 0016897  35.3229 324.9006 13.15940856 65500
COBE
1 20322U 89 89  A 91 64.02915118  .00000891  00000-0  59623-3 0  2562
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2 20322  99.0224  76.8619 0009514   4.7519 355.3772 14.02991337 66068
Kvant-2
1 20335U 89 93  A 91 66.77594678  .00046833  00000-0  52346-3 0  5945
2 20335  51.6114  81.4970 0017406  32.4520 327.7514 15.62085118289281
GPS BII-05
1 20361U 89 97  A 91 62.37035542  .00000013  00000-0  99999-4 0  1289
2 20361  55.0281 130.0815 0063000  59.5436 301.1453  2.00584953  8926
SPOT 2
1 20436U 90  5  A 91 61.69924323  .00001329  00000-0  64189-3 0  4928
2 20436  98.7076 137.5139 0000869  75.2724 284.8546 14.20055828 57434
UO-14
1 20437U 90  5  B 91 66.70027352  .00001243  00000-0  50772-3 0  3132
2 20437  98.6782 146.7594 0011503 100.3726 259.8778 14.28944740 58498
UO-15
1 20438U 90  5  C 91 65.23854784  .00000807  00000-0  33759-3 0  1978
2 20438  98.6813 145.2249 0010415 104.9447 255.2888 14.28581408 58272
PACSAT
1 20439U 90  5  D 91 66.53161066  .00001255  00000-0  51139-3 0  2057
2 20439  98.6791 146.8522 0012456 104.8369 255.4190 14.29038721 58474
DO-17
1 20440U 90  5  E 91 64.34711593  .00001348  00000-0  54732-3 0  2046
2 20440  98.6797 144.7136 0012294 111.0461 249.2082 14.29101445 58164
WO-18
1 20441U 90  5  F 91 63.97084201  .00001177  00000-0  47913-3 0  2036
2 20441  98.6811 144.3884 0013284 113.5260 246.7405 14.29164857 58114
LO-19
1 20442U 90  5  G 91 64.51087770  .00001212  00000-0  49250-3 0  2049
2 20442  98.6797 144.9674 0013125 110.6526 249.6064 14.29241772 58191
GPS BII-06
1 20452U 90  8  A 91 56.28457796  .00000004  00000-0  99999-4 0  1523
2 20452  54.4054 245.6591 0044363  51.1980 309.2069  2.00554453  7928
MOS-1B
1 20478U 90 13  A 91 66.71204612 -.00000004  00000-0  99999-5 0  5125
2 20478  99.1594 140.4285 0001414 142.1261 218.0021 13.94848009 54875
DEBUT
1 20479U 90 13  B 91 58.44079657  .00000015  00000-0  63229-4 0  1871
2 20479  99.0189  61.4649 0540905 190.0970 168.8902 12.83170741 49482
FO-20
1 20480U 90 13  C 91 62.96810396  .00000091  00000-0  25399-3 0  1811
2 20480  99.0222  65.1317 0540411 179.9283 180.1985 12.83174409 50069
MOS-1B R/B
1 20491U 90 13  D 91 65.93720291  .00000577  00000-0  11334-2 0  2056
2 20491  99.0178  78.5447 0471388 135.3000 228.7127 13.02810470 50617
LACE
1 20496U 90 15  A 91 66.71816144  .00014723  00000-0  78592-3 0  4525
2 20496  43.0959 310.9447 0018271 211.7776 148.1970 15.14828875 58508
RME
1 20497U 90 15  B 91 66.56852326  .00031242  00000-0  66104-3 0  4915
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2 20497 43.1110 225.0826 0020463 278.4267 81.4157 15.44333395 59437
Nadezhda 2
1 20508U 90 17 A 91 63.92736637 .00000311 00000-0 32155-3 0 2610
2 20508 82.9506 227.6334 0044340 342.4785 17.4829 13.73275811 50792
OKEAN 2
1 20510U 90 18 A 91 64.20372308 .00004879 00000-0 73240-3 0 4308
2 20510 82.5237 217.1508 0020017 143.4267 216.8315 14.74267490 54513
INTELSAT-6
1 20523U 90 21 A 91 62.01325021 .00008107 00000-0 57046-3 0 4497
2 20523 28.3339   6.7184 0014890 76.4736 283.7514 15.03209790 53423
GPS BII-07
1 20533U 90 25 A 91 65.66961851 -.00000034 00000-0 99999-4 0 1283
2 20533 55.1841   5.3457 0033528 97.2643 263.1277 2.00565297 6869
PegSat
1 20546U 90 28 A 91 66.29690068 .00020227 00000-0 10912-2 0 4519
2 20546 94.1425 355.5930 0141134 102.2771 259.4318 15.06462335 49604
HST
1 20580U   91 65.29104822 .00008600 00000-0 93354-3 0 4024
2 20580 28.4691 19.8534 0005577 322.3301 37.6953 14.86548106 46988
Glonass 44
1 20619U 90 45 A 91 66.41960589 -.00000018 00000-0 99999-5 0 3972
2 20619 65.0424 29.9080 0022765 219.3706 140.4641 2.13102942 6234
Glonass 45
1 20620U 90 45 B 91 66.06820448 -.00000018 00000-0 99999-4 0 4053
2 20620 65.0444 29.9233 0007261 17.7825 342.2349 2.13102781 6232
Glonass 46
1 20621U 90 45 C 91 66.12697361 -.00000018 00000-0 99999-4 0 3450
2 20621 65.0531 29.9374 0012823 213.5500 146.3580 2.13102330 6232
Kristall
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2 20635 51.6027 81.8258 0017290 31.5271 328.6754 15.62080641289275
ROSAT
1 20638U 90 49 A 91 66.22126346 .00009240 00000-0 75620-3 0 2046
2 20638 52.9880 321.8877 0015223 53.5089 306.7291 14.99885751 41721
Meteor 2-19
1 20670U 90 57 A 91 60.04042831 .00000203 00000-0 17348-3 0 1571
2 20670 82.5447 84.7912 0014873 292.0976 67.8617 13.83917254 34045
CRRES
1 20712U 90 65 A 91 66.79102113 .00003669 00000-0 35521-2 0 1587
2 20712 18.0905 314.3870 7121778 12.3369 358.5883 2.44028045 5509
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1 20724U 90 68 A 91 55.54435681 .00000016 00000-0 99999-4 0   845
2 20724 54.6996 186.1883 0096447 122.6748 238.2165 2.00563932 4103
Feng Yun1-2
1 20788U 90 81 A 91 65.96068295 .00000525 00000-0 37304-3 0 1050
2 20788 98.9482 101.5612 0016539 101.7528 258.5509 14.01061992 25892
Meteor 2-20
1 20826U 90 86 A 91 65.86926058 .00000323 00000-0 28436-3 0 1093

2 20826 82.5227 19.2526 0012875 160.9622 199.2040 13.83282524 22063
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2 20830 54.9030 128.6742 0075781 116.1874 244.6526 2.00566684 3135
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1 20959U 90103 A 91 63.46731854 .00000016 00000-0 99999-4 0   240
2 20959 54.9145 187.4011 0030795 269.4421 89.8824 2.00565406 1939
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2 20978 98.8513 101.5136 0082213 77.2781 283.7582 14.30657621 13708
Soyuz TM-11
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2 20981 51.6095 81.8224 0018328 35.4435 324.7423 15.62075754289274
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1 21006U 90110 A 91 66.16614991 .00000020 00000-0 99999-4 0   867
2 21006 64.8393 149.4454 0062005 186.2811 173.6888 2.13102100 1917
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1 21007U 90110 B 91 66.34256250 .00000020 00000-0 99999-4 0   947
2 21007 64.8597 149.4617 0039442 179.9991 180.0437 2.13100296 1918
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1 21008U 90110 C 91 66.69464931 .00000020 00000-0 99999-4 0   819
2 21008 64.8385 149.4367 0009923 292.0646 67.8788 2.13100165 1928
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1 21053U 91 2 A 91 66.83992094 .00046843 00000-0 52346-3 0   583
2 21053 51.6074 81.1736 0017017 32.0502 328.1700 15.62098631289292
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1 21087U   91 66.25177979 .00000243 00000-0 24476-3 0   184
2 21087 82.9459 309.1573 0035137 180.8777 179.2321 13.74349312 5021
Cosmos 2123
1 21089U 91 7 A 91 64.35259476 .00000256 00000-0 26172-3 0   230
2 21089 82.9246 181.0556 0028182 207.5518 152.4150 13.73865053 3886
Cosmos 2124
1 21092U 91 8 A 91 66.81854940 .00525780 39657-4 39630-3 0   775
2 21092 62.8205 248.5767 0104441 138.0977 222.9224 16.03873006 4547
Cosmos 2125
1 21100U 91 9 A 91 56.86347467 .00000009 00000-0 99999-4 0   77
2 21100 74.0308 172.6529 0009766 140.3703 219.8063 12.49762573 1721
Cosmos 2126
1 21101U 90 9 B 91 56.82591456 .00000008 00000-0 99999-4 0   82
2 21101 74.0305 172.8033 0019493 223.9385 136.0114 12.45872183 1691
Cosmos 2127
1 21102U 91 9 C 91 56.80286051 .00000008 00000-0 99999-4 0   107
2 21102 74.0307 172.7919 0007201 219.6339 140.4183 12.47979047 1695
Cosmos 2128
1 21103U 91 9 D 91 56.84212215 .00000009 00000-0 99999-4 0   81
2 21103 74.0304 172.5833 0014413 87.7345 272.5357 12.51713942 1707
Cosmos 2129
1 21104U 91 9 E 91 56.82234943 .00000009 00000-0 99999-4 0   82

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2 21104  74.0300 172.5831 0024461  86.7755 273.6096 12.53529066  1706
Cosmos 2130
1 21105U 91  9  F 91 56.86464416  .00000010  00000-0  99999-4 0    56
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Cosmos 2131
1 21106U 91  9  G 91 56.84531224  .00000011  00000-0  99999-4 0    81
2 21106  74.0308 172.3501 0051251  74.8518 285.8199 12.58741458  1716
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1 21107U 91  9  H 91 56.72358317  .00000010  00000-0  99999-4 0    55
2 21107  74.0300 172.6164 0033584  82.7872 277.7040 12.55284150  1709
1991 009J
1 21108U 91  9  J 91 62.94236834  .00000005  00000-0  99999-4 0   308
2 21108  74.0386 166.0317 0166507 245.0348 112.8991 12.19552620  2429
1991 009K
1 21109U 91  9  K 91 66.84004224  .00000004  00000-0  99999-4 0   172
2 21109  74.0370 161.2821 0173856 239.3604 119.0197 12.17448173  2901
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1 21110U 91  9  L 91 66.74539302  .00000004  00000-0  99999-4 0   195
2 21110  74.0502 161.9700 0238302 242.8736 114.7958 12.05334687  2869
1991 010A
1 21111U 91 10  A 91 64.10838976 -.00000115  00000-0  99999-4 0   212
2 21111   2.2803 282.3848 0006105 284.5300  74.9353  1.00272602   205
1991 010D
1 21114U 91 10  D 91 66.57697894  .00003821  00000-0  21608-2 0    81
2 21114  47.3656 275.3250 7276017   5.4899 359.4688  2.26829435   476
1991 009M
1 21115U 91  9  M 91 62.68215212  .00000004  00000-0  99999-4 0    66
2 21115  74.0383 166.5389 0185425 238.7334 119.5598 12.15401490  2401
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1 21116U 91 11  A 91 66.83551323  .00310303  10946-4  20149-3 0   416
2 21116  64.7242 246.3762 0036479  34.2737 326.0989 16.15378174  3309
Molniya1-80
1 21118U 91 12  A 91 63.01729621  .00000381  00000-0  25028-2 0   175
2 21118  62.7954 322.2437 7437166 280.1750  10.8592  2.00581276   341
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1 21121U 91 12  D 91 65.17990549 -.00000192  00000-0  65296-3 0   327
2 21121  62.7438 322.1145 7396382 280.0691  11.1479  2.05518272   387
1991 010E
1 21122U 91 10  E 91 66.61630947  .00001713  00000-0  22690-2 0   115
2 21122  47.3666 275.3766 7256661   5.4881 359.4723  2.26358562   470
1991 010F
1 21129U 91 10  F 91 65.11231418 -.00000037  00000-0  99999-4 0   124
2 21129   2.3218 282.2567 0018263  39.4539 320.3069  1.00097155   133
Cosmos 2135
1 21130U 91 13  A 91 66.63213955  .00000107  00000-0  99999-4 0    85
2 21130  82.8241 249.6408 0065038 251.8969 107.5122 13.77537584  1301
1991 013B
1 21131U 91 13  B 91 65.31544319  .00000110  00000-0  99999-4 0    85
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2 21131  82.8204 250.6215 0057922 253.9933 105.4841 13.79129051  1129
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1 21132U 91 14  A 91 65.87397977 -.00000288  00000-0  99999-4 0    81
2 21132   1.4865 251.3075 0032892  23.3462 336.1399  0.99672713    88
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1 21135U 91 14  D 91 62.88519996 -.00000040  00000-0  99999-4 0    18
2 21135   1.5559 250.1373 0022044 344.6188  15.6113  1.03434118    64
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1 21139U 91 15  A 91 65.24841034 -.00000053  00000-0  99999-4 0    44
2 21139   0.4452 317.5722 1720263 189.2729 225.1621  1.27286540    47
1991 015B
1 21140U 91 15  B 91 65.44529758 -.00000114  00000-0  99999-4 0    86
2 21140   1.1998 295.5821 0067835  32.8415 326.9987  1.00584157    07
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1 21141U 91 15  C 91 65.77429373  .00000374  00000-0  99999-4 0    37
2 21141   7.0990 327.9940 7312267 180.6512 177.1696  2.24678540    62
1991 015D
1 21142U 91 15  D 91 64.19999999  .00000997  00000-0  99999-4 0    29
2 21142   7.0180 328.4950 7306588 179.5130   3.7230  2.27264167    37
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1 21143U 91 16  A 91 66.82341124  .00053503  62309-5  11367-3 0    44
2 21143  62.8486 341.5451 0047552 122.2407 238.2850 15.96766482   182
1991 016B
1 21144U 91 16  B 91 67.01129302  .00792116  30730-3  14550-2 0    79
2 21144  62.8394 340.8435 0042792 112.7138 254.7875 15.99189417   215
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Dr TS Kelso                          Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil         Air Force Institute of Technology

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Date: Sun, 9 Mar 86 18:49:19 PDST
From: wen@pro-sat.cts.com
Subject: Satellite TV Rx
To: amateur

I am looking for a high quality satellite tv receiver with S-VHS video outputs
for use with S-VHS Recorder and TV.  Toshiba is the only one that I have heard
that makes one fitting this description.

I am looking for specifications on Signal/Noise ratios for video (and audio),
video frequency response, and effective horizontal resolution of the Toshiba
or any other Satellite Rx that has the S-VHS outputs.

Does anyone know if the S-VHS outputs (chroma and luma) are taken without
going to video first?

My system is a 30 deg LNB with 12 ft Paraclipse and Houston Tracker VIII Rx.
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It works very well but it still has too much video noise to suit me. The CNR on the hotter transponders should be 14 db with 50 db or so video s/n. I don't mean the system has sparklies. The system is absolutely sparklie free on all satellites and transponders. I am talking about low level video noise seen as snow. Most CNN tapes have this level of snow at the transmission end but it is not transmitted on live broadcasts.

Please reply via e-mail to:

UUCP: crash!pro-sat!wen | San Diego, CA (619)697-7540
ARPA: crash!pro-sat!wen@nosc.mil | W5FL Wendell Wyly
INET: wen@pro-sat.cts.com |

End of Info-Hams Digest
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